Lenovo Z51-70 Platform Specifications

Processor

5th Generation Intel® Core™ i3 / i5 / i7 Processors

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	Processor Graphics
i3-5005U	2	4	2.0 GHz	-	3MB	DDR3L-1600MHZ	Intel HD graphics 5500
i3-5010U			2.1 GHz	-	3MB		
i5-5200U			2.2 GHz	2.7 GHz	3MB		
i7-5500U			2.4 GHz	3.0 GHz	4MB		

Graphics

Some: Intel HD Graphics 5500 only, integrated in processor
Some: Integrated Intel Graphics and AMD Radeon™ R7 M360, 2GB or 4GB memory
Some: Integrated Intel Graphics and AMD Radeon™ R9 M375, 2GB or 4GB memory
Max video resolution supported for external monitor:
1920x1200@60Hz (HDMI 1.4a); 3840 x 2160@30Hz, 24bpp (VGA)

Chipset

Intel Soc (System on Chip) platform

Memory

16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

Widescreen display

Some: 15.6" (396.2mm) FHD (1920x1080), anti-glare, LED backlight, 16:9 aspect ratio, 200 nits, 400:1 contrast ratio
Some: 15.6" (396.2mm) FHD (1920x1080), glare, LED backlight, 16:9 aspect ratio, 200 nits, 500:1 contrast ratio

Multi-touch

None

Storage

Some: HDD / 2.5" wide, 9.5mm or 7mm high
Some: Hybrid drive with 8GB NAND flash memory, 2.5" wide, 9.5mm or 7mm high
Some: SSD / SATA 6.0 Gb/s, 2.5" wide

Optical (optional)

Integrated ODD with DVD±RW, 9.0mm high, tray-in

Ethernet

Gigabit Ethernet connection

WLAN

One of the following, configurable by model:

- 11ac, 1x1, Wi-Fi + BT4.0 combo adapter, M.2 Card
- Intel Dual Band Wireless-AC 3160, 1x1, Wi-Fi + BT4.0 combo adapter, M.2 Card,

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

Dimensions

WxDxH: 15.12" x 10.43" x 0.97" (384mm x 265mm x 24.6mm)

Weight

2.3kg (5.07lb) with 4-cell battery

Case color

Top: black or white; *Bottom:* black or white, match top color

Case material

Top: PC/ABS plastic; *Bottom:* PC/ABS plastic

Media reader

4-in-1 reader (SD, SDHC, SDXC, MMC)

Ports

USB 3.0 x 2, USB 2.0 x 1, VGA, HDMI, Ethernet (RJ-45), audio combo jack

TV tuner

None

Camera

Some: 720p HD, 1.0MP resolution, fixed focus, combo array mic
Some: Intel® RealSense™ 3D camera, combo array mic

Audio support

Some: Stereo speakers with Dolby® Home Theater, 2.5W x 2
Some: JBL speakers with Dolby® Home Theater, 2.5W x 2
2.0 channel, dual array microphone, combo audio / microphone jack

Keyboard

Some: AccuType® keyboard, full-size keyboard, 6-row, multimedia Fn keys, numberic keypad
Some: AccuType® keyboard with backlight, full-size keyboard, 6-row, multimedia Fn keys, numberic keypad

Touchpad

One-piece multi-touch touchpad with button

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

None

Fingerprint reader

None

Battery type

Li-Cyllinder 4-cell (32Wh or 41Wh) battery

Battery life

Up to 4hrs

AC adapter

Some: 45-watt AC adapter, for models with integrated graphics only
Some: 65-watt AC adapter, for models with discrete graphics

Preload

Windows® 8.1 64-bit or Windows® 8.1 professional 64-bit
Preinstalled software includes but not limited to the following:

- Lenovo Veriface® Pro
- Zinio® Online Newsstand
- Lenovo Companion
- Amazon Kindle
- Evernote®
- Lenovo® Support
- McAfee® LiveSafe™ (30-day trial)
- Microsoft Office preloaded; purchase a product key to activate

Software for models with 3D camera

- Intel Out of Box Experience
- Personify
- BBB Goal
- Wave Warrior

Limited warranty

1 or 2 years limited warranty / service upgrades available

Environment

EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant

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